

## Department of Energy

Richland Field Office
P.O. Box 550
Richland, Washington 99352

9305745

94-RPS-071

Mr. David B. Jansen State of Washington Department of Ecology P.O. Box 47600 Olympia, Washington 98504-7600



Dear Mr. Jansen:

HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION FORM 3, REVISION 4, FOR THE 303-K STORAGE FACILITY (WA7890008967) (TSD: S-3-1)

Enclosed is the Hanford Facility Dangerous Waste Part A Permit Application (Part A) Form 3, Revision 4, for the 303-K Storage Facility. The 303-K Storage Facility is located in the 300 Area of the Hanford Facility and is used for the storage of liquid and solid mixed waste in U.S. Department of Transportation-specification containers. This Part A was revised to add eight dangerous waste codes to container storage at the 303-K Storage Facility.

Dangerous Waste Codes F002, F005, and state-only WC02 have been added because a complete analysis of the waste stored at the 303-K Storage Facility revealed that spent halogenated and non-halogenated solvents and waste with low concentrations of carcinogenic solvents were present. Dangerous Waste Codes D029, D035, D039, and D040 have been added because of the revision to the Washington Administrative Code (WAC) 173-303 in March 1991 that added 26 organic constituents to the Toxicity Characteristic List. Dangerous Waste Code D037 has also been added, because of analysis of an unknown mixed waste has shown that the mixed waste contained pentachlorophenol. These dangerous waste codes have been added in compliance with WAC 173-303. This regulation requires submittal of a revised Part A that includes any previously unidentified waste that might be treated, stored, or disposed of at a treatment, storage, and/or disposal unit with interim status.

Should you have any questions regarding the 303-K Storage Facility Part A, Revision 4, please contact Mr. C. E. Clark, U.S. Department of Energy, Richland Operations Office on (509) 376-9333 or Mr. R. C. Bowman, Westinghouse Hanford Company on (509) 376-4876.

Sincerely,

EAP: CEC

James D. Bauer, Program Manager Office of Environmental Assurance, Permits, and Policy DOE Richland Operations Office

arnes D Baul

R. E. Lerch, Deputy Manager Restoration and Remediation Westinghouse Hanford Company

Enclosure:

303-K Storage Facility Dangerous Waste Part A Permit Application Form 3, Revision 4

cc w/enclosure:

D. L. Duncan, EPA

T. M. Michelena, Ecology

D. C. Nylander, Ecology

Administrative Records, H6-08

cc w/o enclosure:

D. R. Butler, Ecology

J. M. Atwood, Ecology

R. C. Bowman, WHC

R. E. Lerch, WHC S. M. Price, WHC

Please print or type in the unshaded areas only fill-in areas are spaced for elite type, i.e., 12 character/inch).

(fill-in areas are	spaced for elite typ	e, i.e., 12	character/inch).																		
FORM 3	DAN	GERC	OUS WA	ST	Έ	PE	RI	/117	Γ	ΔP	P	LIC	24	ATION	<del>ر ـــر ـــر</del>	/STATE I.I		) O	,	9 6	6 7
FOR OFFICIAL U																					
APPLICATION APPROVED	(mo.,dev.& yr.)	ļ											co	MMENTS							
		-																			
	VISED APPLICATION												_							<del></del>	
Place an "X" in t application. If th I.D. Number in S	he appropriate box sis is your first appl ection I above.	in A or S ication an	below (mark one id you already kr	ow bo	x onl your	y) to facil	indi ity's	cate EPA	whe /ST	ATE	r th I.D	ls is Nu	th mb	e first application you are s per, or if this is a revised ap	ubmitting plication,	enter your i	r fac	ty or a	EP/	NEOD N/ST.	ATE
A. FIRST APPLI	CATION (place an	"X" belov	and provide the	app	ropr	iete .	dato	1													
1. 6	XISTING FACILITY	(See inst	ructions for defii item below.)	nitio	n of	"exis	ting	" fac	ility.	•				2. NEW FAC	ILITY (C	omplata ite	em b	elow)			
MO. DAY YR. OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  O 1 TON BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)  OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED (mo., day, & yr.)											·-										
53°	PLICATION (place of			e Se	ctio	ı / ai	ove	j						2. FACILITY							
KI III																					
A PROCESS CO	- CODES AND CA	e from the	s list of process	code	s be	low	that	best	des	crib	es c	ach	pr	ocess to be used at the fac	ility. Ter	lines are	prov	ided 1	for a	nteri	ing
Toodee If mo	re lines are needed uding its design cap	anter th	a coda(s) in tha :	8080	a Da	o vide	d. I	tab	roce	98 <b>5</b> V	vili	be u	60	d that is not included in the	list of co	odes belov	v, th	en de	scrit	e th	٥
B. PROCESS DE	SIGN CAPACITY -	For each	code entered in o	olui	nn A	ent	r th	e cap	oaci	ty of	fthe	pro	oce	988.							
1. AMOUNT	- Enter the amount.																				
2. UNIT OF N	MEASURE - For eacl	amount	entered in colum	ın B	(1), e	nter	the	code	fro	m th	ne li	st of	f u	nit measure codes below th	at descri	bes the ur	it of	meas	ure	used	t.
Only the u	nits of measure the	it are liste	ed below should	be u	sed.																
		PRO- CESS	APPROPRIAT	)R P	ROC	ESS									PRO- CESS	APPR MEAS	URE	FOR	PRO	CES	F S
	ROCESS	CODE	DESIGN C	APA	CITY		_					Tra	-*	PROCESS ment:	CODE	DE	SIGN	CAP	ACI	TY	
Storage:	(barrel, drum, etc)	501	GALLONS OR I	ITE	RS							TA			TO1	GALLOI	NS P	ER DA	4Y C	R	
TANK WASTE PILE	(Dariel, didin, etc)	S02 S03	GALLONS OR I GALLONS OR I CUBIC YARDS	ITE OR	RS									ACE IMPOUNDMENT	T02	LITERS GALLOI	PER NS P	DAY ER DA			
	POUNDMENT	S04	CUBIC YARDS CUBIC METERS GALLONS OR I	ITE	RS									ERATOR	LITERS PER DAY TO3 TONS PER HOUR OR						
Disposal:																GALLO	NS P	NS PE ER HO	K H	OUR; OR	í
INJECTION W	VELL	D80	GALLONS OR I									ΔΤ.	uc	'D Alles des absorbed about	TO4	LITERS					
LANDFILL		D81	would cover or depth of one for	00 00								the	rm	R (Use for physical, chemic al or biological treatment sses not occurring in tanks	-	GALLOI LITERS	PER	DAY	41 (	'n	
LAND APPLIC	CATION	D82	OR HECTARE-N	METI	R RES							sur	fac	ce impoundments or inciner  Describe the processes in	•						
OCEAN DISP	OSAL	DB3	GALLONS PER LITERS PER DA	DA'	OR							the	et	pace provided; Section III-C	.)						
SURFACE IM	POUNDMENT	D84	GALLONS OR I	LITE	RS									UT OF							
UNIT OF MEA	Neurot	UNIT OF MEASUR CODE			UNIT	. OE	8.4E.A	CHE	_				۸E,	IIT OF ASURE ODE UN	IT OF ME	ACHDE			ME	NT C ASU CODE	RE
			 G		LITE																
LITERS	s		Ī Y		TON MET	S PE	R HO	UR.	a Hi	กน่อ				W 🛕 C	RES	ETER					В
GALLONS PE	RS R DAY		C U	_	GAL	LON:	ER H	OUR	UR	• • •		::	: :	HE HE	CTARES			• • • •	• • •	• • •	ā
	EXAMPLE FOR CO	MPLETING	G SECTION III (si	how.	n in i	ine r	umb	ers ?	X-1	and has	X-2	be/	ow	r): A facility has two store	re tanks, gallons	one tank	can				
N 4 770	<del></del>		IGN CAPACITY			7			Ť					B. PROCESS D					T		
N A. PRO-L L U CESS ! M CODE				2.	UNI ME	Ţ		CIAL		וט ו	С	PRO ESS ODE	- 1				2.	UNIT	řĺ,	FO OFFIC	OR CIAL
I M CODE N B (from list E E above)	1.	AMOUNT specify)	•	S	URE	- 1	ON	SE LY	Ĕ	β	Ifro	m li	st	1. AMOU (specify			Į S	MEA URE		US	SE .
R					odel				_ `	Ř								ode)			
X-1 S 0 2	X-1 S O 2 600								7	б					• • • • • • • • • • • • • • • • • • • •		1				$\Box$
X-2 T O 3			E					6									$\top$	$\prod$			
1 S 0 1	11	,000			G					7										П	
2								T	T	8									Τ	П	
3		·		П	$\sqcap$	1			十	9	$\dashv$	$\dashv$	7		,				$\top$	$  \cdot  $	$\top$
					$\dashv$	+	Н	$\dashv$	+		$\dashv$	+	$\dashv$		-		+	+	+	╁┤	+
17			•			1	1		- [	10	- 1		- 1						1	1 }	.   -

#### III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESS (code "TO4"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

#### <u>S01</u>

The 303-K Storage Facility is used for the storage of mixed waste in Department of Transportation-specification containers. Both liquid and solid waste is stored in the 303-K Storage Facility. The liquid waste is stored on a 610 square foot (57 square meter) pad within the building. The building provides secondary containment for the contents of the containers. The solid waste is stored outside the building on a 4,590 square foot (426 square meter) asphalt, concrete, and gravel pad. The storage area is surrounded by a chain link fence. Approximately 200 55-gallon (208-liter) containers (or more smaller-sized containers) can be stored at the 303-K Storage Facility.

#### IV. DESCRIPTION OF DANGEROUS WASTES

- A. DANGEROUS WASTE NUMBER Enter the four digit number from Chapter 173-303 WAC for each listed dangerous waste you will handle. If you handle dangerous wastes which are not listed in Chapter 173-303 WAC, enter the four digit number(s) that describes the characteristics and/or the toxic contaminents of those dangerous wastes.
- B. ESTIMATED ANNUAL QUANTITY For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.
- C. UNIT OF MEASURE For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE CODE	METRIC UNIT OF MEASURE CODE
POUNDS	KILOGRAMS

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

#### D. PROCESSES

#### 1. PROCESS CODES:

For listed dangerous waste: For each listed dangerous waste entered in column A select the code(s) from the list of process codes contained in Section III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed dangerous wastes: For each characteristic or toxic contaminant entered in Column A, select the code(s) from the list of process codes contained in Section III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed dangerous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: DANGEROUS WASTES DESCRIBED BY MORE THAN ONE DANGEROUS WASTE NUMBER - Dangerous wastes that can be described by more than one Waste Number shall be described on the form as follows:

- Select one of the Dangerous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- 2. In column A of the next line enter the other Dangerous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other Dangerous Waste Number that can be used to describe the dangerous waste.

EXAMPLE FOR COMPLETING SECTION IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

							D. PROCESSES															
T-ZE	DA W	١N	STE	N	О.		B. ESTIMATED ANNUAL QUANTITY OF WASTE		C. UNIT OF MEA- SURE (enter code)		1. PROCESS CODES (enter)											2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K	7	,	6	4		900		P		το	3	D	8	0		Τ	Τ	Γ	Т	1	
X-2	D	7	7	o	2		400	Γ	ρ		r o	3	٥	8	0		T	Ι'''		7	Ì	
X-3	D	9	7	0	1		100		P		το	3	D	8	0		T	ſ		Τ	1	
X-4	D	6	2	0	2						το	3	D	8	0		T	1		I	I	included with above

Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list. I.D. NUMBER (entered from page 1) W A 7 8 9 0 0 0 8 9 6 7 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE N DANGEROUS B. ESTIMATED ANNUAL QUANTITY OF WASTE 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) 1. PROCESS CODES (enter (enter) (enter code) P \$01 Storage - Container (See IV.E.1) F 0 0 15,000 W C 0 1 Р 0 Τ 0 D 0 0 0 0 T 0 8 2 0 ol 5 0 0 10 c 2 0 11 2 D 0 0 12 6 D 10 0 13 d 0 2 9 D lo. 3 5 D 0 3 9 16 included with above D 0 4 0 P Storage - Container (See IV.E.2) WIT 40,000 **S01** 0 18 lo lo lo included with above 19 WIT P 0 40,000 **S01** Storage - Container (See IV.E.2) 20 0 0 0 1 21 Diolo 5 22 biolo included with above 6 23 blolo 2 1,700 P **S01** Storage - Container (See IV.E.3) lololo 1 P **S01** 5,100 Storage - Container (See IV.E.4) 25 P b 0 اه 8 5,500 S01 Storage - Container (See IV.E.5) 26

ECL30 - 271 -

ECY 030-31 Form 3

Continued from page 2. NOTE: Photocopy this page before completing if you have more than 26 wastes to list. I.D. NUMBER (entered from page 1) A 7 8 9 0 0 0 8 9 6 7 IV. DESCRIPTION OF DANGEROUS WASTES (continued) D. PROCESSES C. UNIT OF MEA-SURE (enter code) N DANGEROUS O WASTE NO. B. ESTIMATED ANNUAL QUANTITY OF WASTE 1. PROCESS CODES (enter) 2. PROCESS DESCRIPTION (if a code is not entered in D(1)) (enter code) P Storage - Container (See IV.E.6) T 0 ŠO. 300,000 lo lo lo 1 lolo D D 0 0 5 D 0 0 6 DO 0 0 0 0 included with above DIO 1 P S01 Storage - Container (See IV.E.7) סום 2 1,500 0 ارا included with above 10 7 DIO 0 P Storage - Container (See IV.E.8) סום 0 2 60 **S01** 12 ם 0 10 13 D 0 0 7 D 0 1 included with above P 15 WP 0 200 S01 Storage - Container (See IV.E.9) P 16 סום 3 44 S01 Storage - Container (See IV.E.10) 17 18 19 20 21 22 23 24 25 28

1

Continued from the front.

IV. DESCRIPTION OF DANGEROUS WASTES (continued)				
E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODE	S FROM SECTION D(1) O	N PAGE 3.		
	SEE FOLLOW	ING PAGE		
		•		
E.		•		
<b>f</b>				
• •		•		
			•	
V. FACILITY DRAWING				
All existing facilities must include in the space provided on p	age 5 a scale drawing of	the facility (see instruction	s for more detail).	
VI. PHOTOGRAPHS				, de la companidación de l
All existing facilities must include photographs (eariel or grousites of future storage, treatment or disposal areas (see instr	und-level) that clearly deli- nuctions for more detail).	neate all existing structure	s; existing storage, to	reatment and disposal areas; and
VII. FACILITY GEOGRAPHIC LOCATION This	s information is a	provided on the a	ttached draw	ngs and photos.
LATITUDE (degrees, minutes, & second	(s)	LONG	SITUDE (degraes, mir	nutes, & seconds)
	ŀ			
VIII. FACILITY OWNER				
X A. If the facility owner is also the facility operator as liste	ed in Section VII on Form	1, "General Information",	place an "X" in the b	ox to the left and skip to Section IX
below.				
B. If the facility owner is not the facility operator as lists	d in Section VII on Form	1, complete the following i	tems;	
1. NAME OF F	FACILITY'S LEGAL OWNE	iR	<u> </u>	2. PHONE NO. (area code & no.)
	<u> </u>		,	
3. STREET OR P.O. BOX		4. CITY OR TOWN	6. S	F. 6. ZIP CODE
3, 31,55, 0, 50, 1	<del>'''                                  </del>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111111111111111111111111111111111111111	8. 21F CODE
IX. OWNER CERTIFICATION		**		- <del> </del>
I certify under penalty of law that I have personally examined	and am familiar with the	information submitted in th	his and all attached d	ocuments, and that based on
my inquiry of those individuals immediately responsible for ob	taining the informulion, t	believe that the submitted	information is true, a	ocuments, and that based on ccurate, and complete. I am
I certify under penelty of lew that I have personally examined my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false.  NAME (print or type)	taining the informulion, t	believe that the submitted	information is true, a risonment.	ccurate, and complete. I am
my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false NAME (print or type) John D. Wagoner, Manager	taining the information, I information, including the	believe that the submitted possibility of fine and imp	information is true, a risonment.	ccurate, and complete. I am
my inquiry of those individuals immediately responsible for ob- ewere that there are significant penalties for submitting false NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy	taining the information, I information, including the	believe that the submitted possibility of fine and imp	information is true, a risonment.	ccurate, and complete. I am
my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy	taining the information, I information, including the	believe that the submitted	information is true, a risonment.	ccurate, and complete. I am
my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office X. OPERATOR CERTIFICATION I cartify under penalty of law that I have personally examined	staining the information, I information, I information, including the SIGNATURE	believe that the submitted possibility of fine and imposed by the control of the	information is true, erisonment.  DAT  12  Dis and all attached deligible in the content of the	E SIGNED
my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office X. OPERATOR CERTIFICATION I certify under penalty of law that I have personally examined my inquiry of those individuals immediately responsible for ob-	staining the information, I information, I information, including the SIGNATURE  and am familiar with the taining the information, I	believe that the submitted possibility of fine and implomation submitted in the believe that the submitted	information is true, erisonment.  DAT  DAT  Anis and all attached dinformation is true, a	E SIGNED
my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richtand Operations Office X. OPERATOR CERTIFICATION I cartify under penalty of law that I have personally examined	staining the information, I information, I information, including the SIGNATURE  and am familiar with the taining the information, I	believe that the submitted possibility of fine and implomation submitted in the believe that the submitted	information is true, erisonment.  DAT  DAT  Anis and all attached dinformation is true, arisonment.	E SIGNED
my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office X. OPERATOR CERTIFICATION I cartify under penalty of law that I have personally examined my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false	esining the information, I information, I information, including the SIGNATURE  and am famillar with the teining the information, I information, I information, I information, I information, including the	believe that the submitted possibility of fine and implomation submitted in the believe that the submitted	information is true, erisonment.  DAT  DAT  Anis and all attached dinformation is true, arisonment.	E SIGNED
my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false NAME (print or type) John D. Wagoner, Manager U.S. Department of Energy Richtand Operations Office X. OPERATOR CERTIFICATION I certify under penalty of law that I have personally examined my inquiry of those individuals immediately responsible for ob- aware that there are significant penalties for submitting false	esining the information, I information, I information, including the SIGNATURE  and am famillar with the teining the information, I information, I information, I information, I information, including the	believe that the submitted possibility of fine and implomation submitted in the believe that the submitted	information is true, erisonment.  DAT  DAT  Anis and all attached dinformation is true, arisonment.	E SIGNED

Section IV.E. Description of Dangerous Wastes

The 303-K Storage Facility is used for the storage of mixed waste in U.S. Department of Transportation-specification containers. This waste consists of the following:

- 1. Approximately 15,000 pounds (6,800 kilograms) per year of spent solvents [This includes spent degreasing solvents (F001, WC01, WP01, and WT01) that were occasionally mixed with ethyl acetate (D001, F003, and WT02). This also includes spent halogenated and nonhalogenated solvents (F002 and F005) as well as waste with low concentrations of carcinogenic solvents (WC02). Waste solvents are corrosive (D002) and containe cadmium (D006), 1,1-dichloroethylene (D029), methyl ethyl ketone (D035), tetrachloroethylene (D039), and trichloroethylene (D040)].
- 2. Approximately 80,000 pounds (36,300 kilograms) per year of heat treat salts contaminated with naturally occurring radioactive potassium-40 [The heat treat salts were generated from both beta bath [40,000 pounds (18,200 kilograms) per year] and quench bath [40,000 pounds (18,000 kilograms) per year]. The beta bath salts consist of potassium chloride and sodium chloride (WTO2) and chromium (D007). The quench bath salts consist of potassium nitrate, sodium nitrate, sodium nitrite, potassium chloride, and sodium chloride. The quench bath salts are toxic extremely hazardous waste (WTO1) and are ignitable (D001) because of the presence of oxidizers (solid nitrates and nitrites). The quench bath salts also contain barium (D005) and cadmium (D006).
- 3. Approximately 1,700 pounds (770 kilograms) of corrosive (D002) copper fluorozirconate acid crystals from the bottom of the waste acid tanks in the 334-A Building
- 4. Approximately 5,100 pounds (2,300 kilograms) per year of Zircaloy-2 and beryllium/Zircaloy-2 chips and fines before and after concreting the waste in the 304 Building (This material is designated ignitable (D001) because of its pyrophoric properties.)
- 5. Approximately 5,500 pounds (2,500 kilograms) per year of metallic lead (D008)
- 6. Approximately 300,000 pounds (136,100 kilograms) per year of centrifuge and filter press sludge designated as a toxic dangerous waste (WT02) by the mixture rule and ignitable (D001) because of the presence of solid nitrates [The waste may also contain the following ions introduced into the 300 Area Waste Acid Treatment System: arsenic (D004), barium (D005), cadmium (D006), chromium (D007), mercury (D009), and silver (D011)].
- 7. Approximately 1,500 pounds (680 kilograms) per year of corrosive (D002) waste acid absorbed by sedimentary opal clay [This waste also contains chromium (D007)].
- 8. Approximately 60 pounds (27 kilograms) per year of waste acids contaminated with oil [The waste acids are designated as corrosive (D002) and contain arsenic (D004), chromium (D007), and silver (D011)].
- 9. Approximately 200 pounds (91 kilograms) per year of waste hydraulic oil containing halogenated hydrocarbons (WPO2)
- 10. Approximately 44 pounds (20 kilograms) of a mixed waste that contains pentachlorophenol (D037)

## X. OPERATOR CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

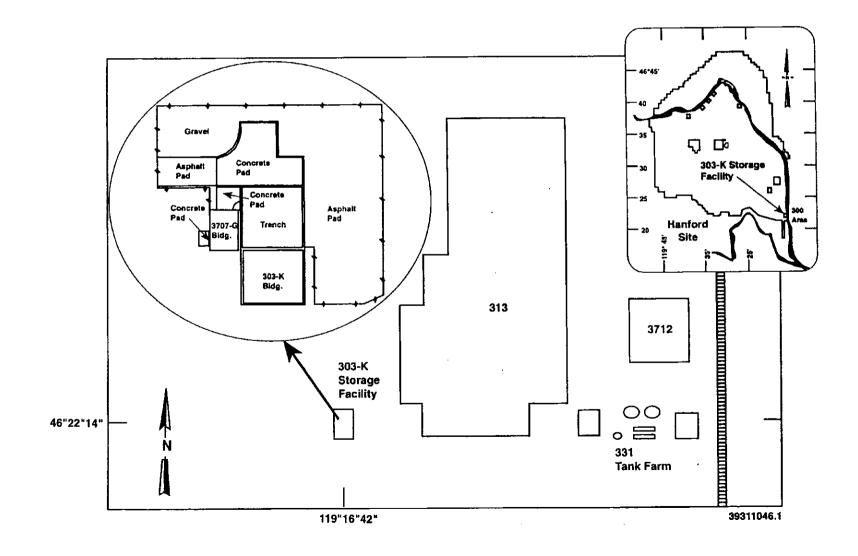
Owner/Operator

John D. Wagoner, Manager U.S. Department of Energy Richland Operations Office Date

Co-operator

Thomas M. Anderson, President Westinghouse Hanford Company 12/1/9

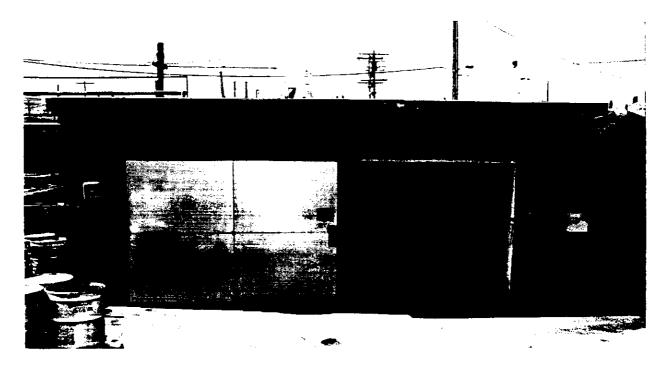
# **303-K Storage Facility**



## 303-K Storage Facility



8704479-10CN (PHOTO TAKEN 1987)



46°22'14" 119°16'42"

89050353-12CN (PHOTO TAKEN 1989)

### CORRESPONDENCE DISTRIBUTION COVERSHEET

Author

Correspondence No.

J. D. Bauer, RL

D. B. Jansen, Ecology

Incoming 9305745

Xref 9360103D

R. E. Lerch, WHC (J. F. Williams Jr., WHC)

Subject: HANFORD FACILITY DANGEROUS WASTE PART A PERMIT APPLICATION FORM 3, REVISION 4, FOR THE 303-K STORAGE FACILITY (WA7890008967) (TSD: S-3-1)

Addressee

	INTERNAL DISTRIBUTION										
Approval	Date	Name	Location	w/at							
		Correspondence Control	A3-01	Χ							
		J. G. Adler	H6-23								
		B. A. Austin	B2-35								
		R. J. Bliss	B3-04								
		R. C. Bowman	H6-24	. <b>X</b>							
		G. D. Carpenter	H6-30								
		D. J. Carrell	H6-22								
		B. G. Erlandson	H6-20								
		G. W. Jackson, Assignee	H6-21								
		R. E. Lerch	B3-63								
		P. J. Mackey	B3-15	χ							
		H. E. McGuire, Level 1	B3-63								
		S. M. Price	H6-23	X							
		J. A. Remaize	L6-18	χ							
		F. A. Ruck III	H6-23								
		J. M. Steffen	N1-47								
		B. L. Vedder	H6-22								
		J. L. Waite	B2-35								
		D. J. Watson	X0-41								
		E. A. Weakley	L6-26	χ							
		J. F. Williams Jr.	H6-24	X							
		EPIC	H6-08	X							
		JFW File/LB	H6-24	X							
		RCRA File/GHL	H6-23	X							